SILENT Guitar

SLG-100N/120NW

Owner's Manual

English

Thank you for purchasing the Yamaha Silent Guitar. In order to obtain the maximum performance and enjoyment from your Silent Guitar, we urge you to read this Owner's Manual thoroughly before using the instrument. Please keep this Owner's Manual in a safe place for later reference.

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SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adaptor). DO NOT connect this product to any power supply or adaptor other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

SPECIFICATIONS SUBJECT TO CHANGE: The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

Do not attempt to service this product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for long periods of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
IMPORTANT: The louder the sound, the shorter the time period before damage occurs.

NOTICE: Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owner's responsibility. Please study this manual carefully and consult your dealer before requesting service.

ENVIRONMENTAL ISSUES: Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

Battery Notice: This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, do not mix old batteries with new, or with batteries of a different type. Batteries MUST be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

Warning: Do not attempt to disassemble or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

Disposal Notice: Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Yamaha directly.

NAMEPLATE LOCATION: The nameplate is located on the back of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model	**Serial No.**
Purchase Date	

92-BP

PLEASE KEEP THIS MANUAL

FCC INFORMATION (U.S.A.)

1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**
   This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.
2. **IMPORTANT**: When connecting this product to accessories and/or another product use only high-quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.
3. **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the user's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

   Relocate either this product or the device that is being affected by the interference.

   Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

   In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

   If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you cannot locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620

   The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

CANADA*

THIS DIGITAL APPARATUS DOES NOT EXCEED THE "CLASS B" LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATION OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRESENT APPAREIL NUMERIQUE N'EMET PAS DE BRUITS RADIOELECTRIQUES DEPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMERIQUES DE LA "CLASSE B" PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIOELECTRIQUE EDICTE PAR LE MINISTERE DES COMMUNICATIONS DU CANADA.

- This applies only to products distributed by Yamaha Canada Music Ltd.
- Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Musique Ltée.

Your Silent Guitar will give you years of reliable service if you follow the simple rules given below:

■ Location

Do not expose it to the following conditions to avoid deformation, discoloration, or more serious damage.

- Direct sunlight (e.g. near a window).
- High temperatures (e.g. near a heat source, outside, or in a car during the daytime).
- Excessive humidity.
- Excessive dust.
- Strong vibrations.

■ Power Supply

- Turn the power switch OFF when not in use.
- If you use an AC power adaptor, unplug the adaptor from the AC outlet if not to be used for an extended period of time.
- If you use an AC power adaptor, make sure that the AC outlet you are using is easily accessible.
- If some trouble or malfunction occurs, immediately turn off the power switch and unplug the adaptor from the outlet.
- This product is not disconnected from the AC power source as long as the adaptor is connected to the outlet, even if the power switch is turned off.
- Unplug the AC power adaptor during electric storms.
- Avoid plugging the AC power adaptor into the same AC outlet as appliances with high power consumption, such as electric heaters or ovens. Also avoid using multi-plug adaptors since these can result in reduced sound quality and possible damage.

■ Turn Power OFF When Making Connections

- To avoid damage to the Silent Guitar and other devices to which it is connected (a sound system, for example), turn the power switches of all related devices OFF prior to connecting or disconnecting audio cables.

■ Handling and Transport

- Never apply excessive force to the controls, connectors or other parts.
- Always unplug cables by gripping the plug firmly, not by pulling on the cable.
- Disconnect all cables before moving the unit.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the unit can result in scratches and more serious damage.

■ Cleaning

- Clean the guitar body with a dry soft cloth.
- A slightly damp cloth may be used to remove stubborn grime and dirt.
- Never use cleaners such as alcohol or thinner.

■ Electrical Interference

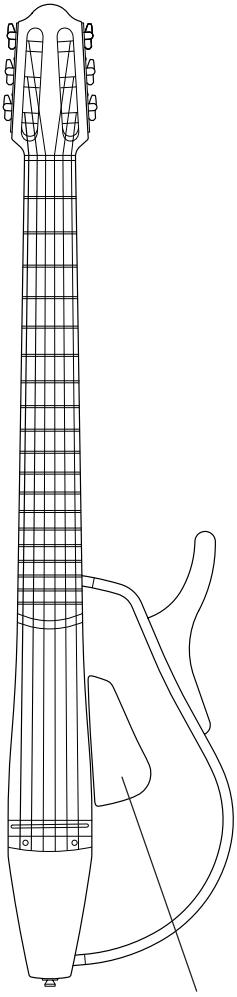
- This unit contains electric circuitry and may cause interference if placed too close to radio or television receivers. If this occurs, move it further away from the affected equipment.

YAMAHA is not responsible for damage caused by improper handling or operation.

Main Body/Accessories

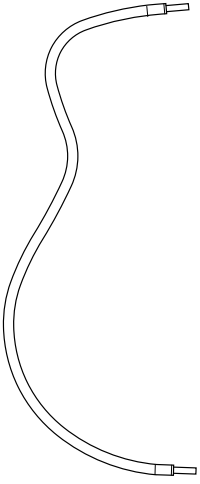
After opening the packaging, please check that all the parts listed below are included.

• Main body

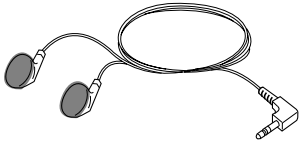


* SLG-120NW only

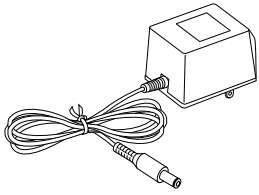
• Left frame



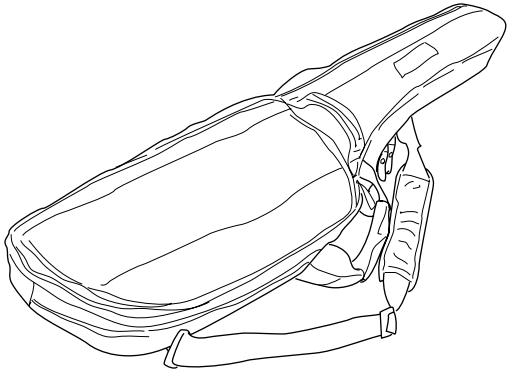
• Stereo earphones



• AC adaptor : PA-D09

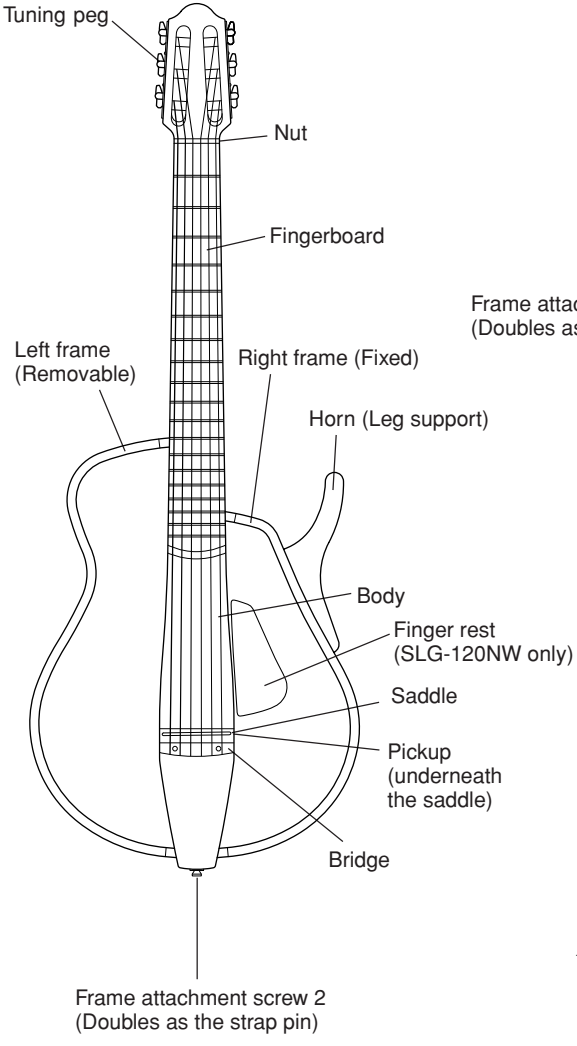


• Soft case

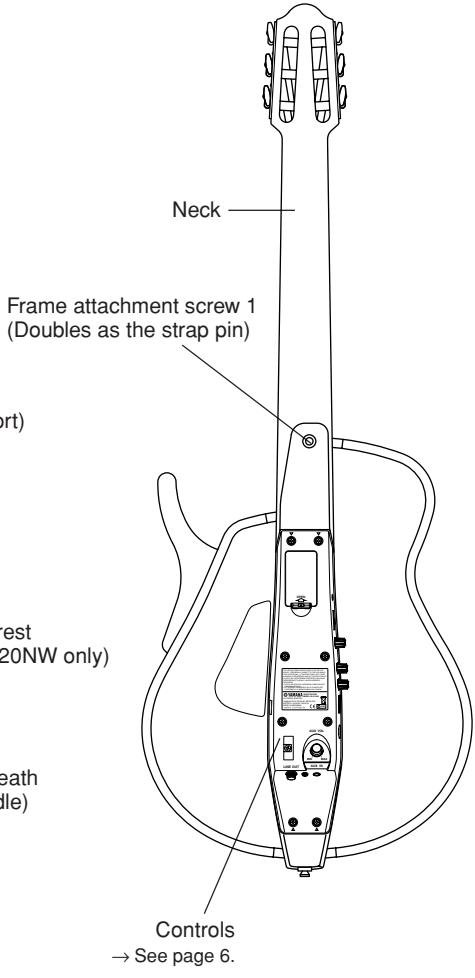


Nomenclature

● Front

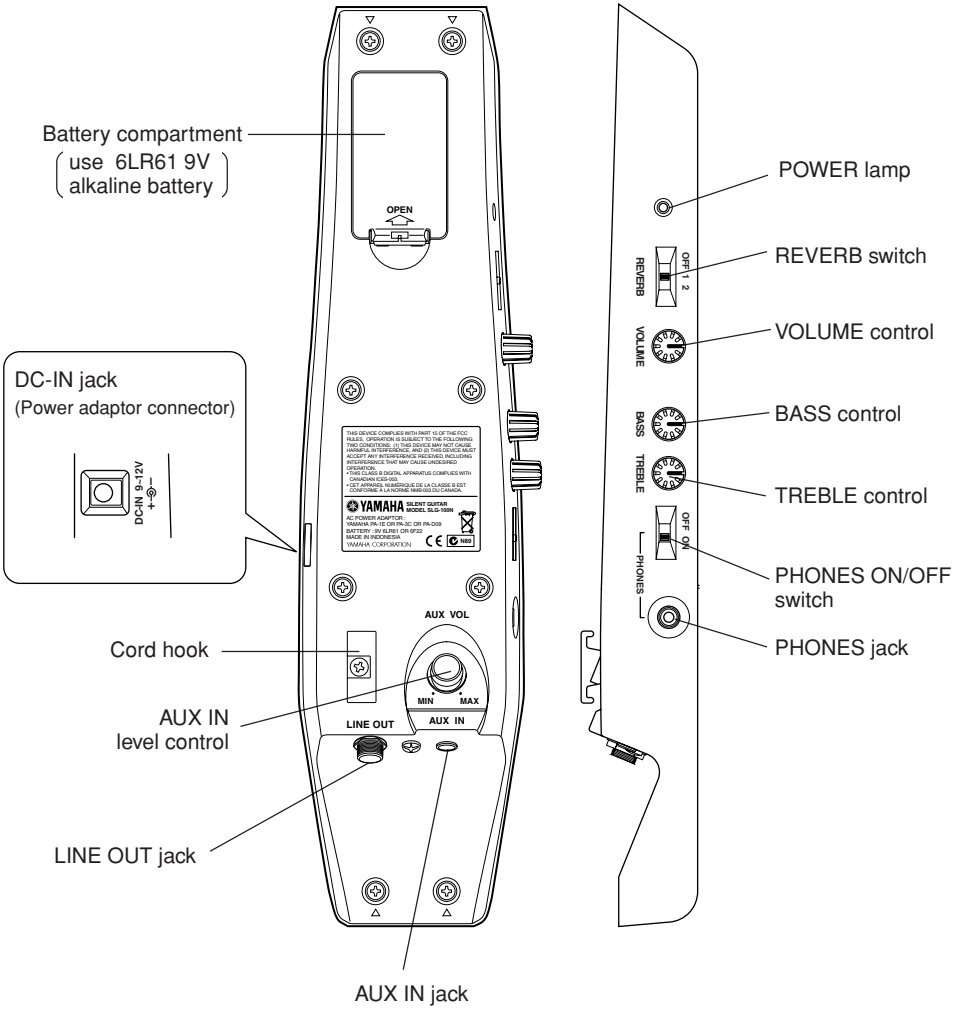


● Rear



→ See page 6.

● Controls


Battery compartment
use 6LR61 9V alkaline battery
OPEN
DC-IN jack
(Power adaptor connector)
DC-IN 9-12V
Cord hook
AUX IN level control
LINE OUT jack
AUX IN jack
AUX VOL
MIN
MAX
LINE OUT
AUX IN
YAMAHA SILENT GUITAR MODEL SLG-100N
POWER lamp
REVERB switch
REVERB
OFF 1 2
VOLUME control
VOLUME
BASS control
BASS
TREBLE control
TREBLE
OFF ON
PHONES
PHONES ON/OFF switch
PHONES jack

Attaching the Frame

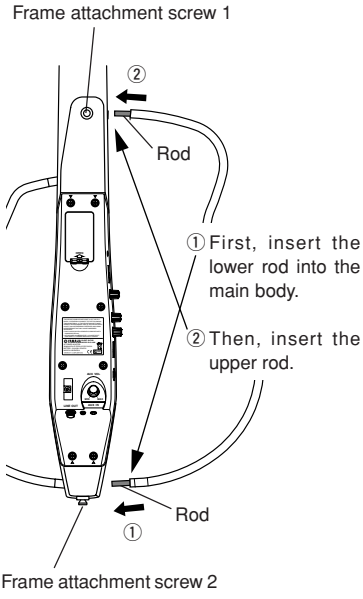
When shipped from the factory, the left frame is not attached to the Silent Guitar's main body.
Before using the instrument, please properly attach the left frame using the procedure described below.

1. Fully loosen [frame attachment screw 1] located in the area behind the 12th fret, and [frame attachment screw 2] located at the end of the Silent Guitar's main body.

2. Insert the lower rod of the left frame fully into the bracket hole on the Silent Guitar's main body.
Next, insert the upper rod fully into the bracket hole.

- **Make sure that the upper and lower ends of the left frame are not reversed.**
- **Do not place any excess force on the frame's rods. The rods may become damaged.**

3. After confirming that both rods of the left frame are fully inserted, turn the attachment screws clockwise and secure the left frame to the Silent Guitar's main body.



- **When moving any movable parts, make sure that your fingers or hand do not become pinched in the parts.**
- **Do not tighten the attachment screws when the frame is removed. It will result in the damage of parts, which will cause problems when re-attaching the frame.**

Attachment of the frame is now complete.
To remove the frame, simply reverse the order of the procedure described above, removing the upper rod from tha main body before removing the lower rod.

- **After the frame is attached, make sure attachment screws 1 and 2 are tightened firmly. Using the instrument with the screws loose will result in rattle or other noise during performance.**
- **When transporting the instrument, please carry the instrument by its neck or main body. Holding the instrument by only its left or right frame will result in damage of the frame or the frame's fixed parts.**

■ About the Strap Pin

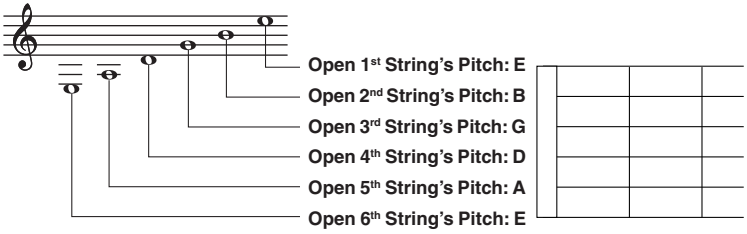
The frame attachment screw can be used as a strap pin for a separately purchased guitar strap.

- **Make sure that the strap is firmly hooked onto the strap pin so the instrument does not drop during performance.**

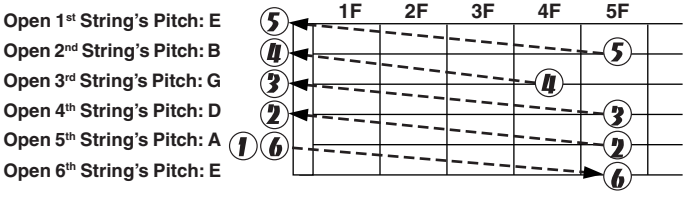
Tuning

Use a tuning meter, pitch pipe, tuning fork, piano, etc., and tune the open strings to the pitches shown below.

- **If the string's pitch is high, loosen the string until the string's pitch is slightly lower than the tuning pitch, then tune while raising the string's pitch.**



1. Play the **standard pitch "lah" (A3: 440Hz)** on a tuning fork, etc., and tune the **open 5th string** to the same pitch.
2. Play the pitch produced by pressing the **5th string at the 5th fret**, and tune the **open 4th string** to the same pitch.
3. Play the pitch produced by pressing the **4th string at the 5th fret**, and tune the **open 3rd string** to the same pitch.
4. Play the pitch produced by pressing the **3rd string at the 4th fret**, and tune the **open 2nd string** to the same pitch.
5. Play the pitch produced by pressing the **2nd string at the 5th fret**, and tune the **open 1st string** to the same pitch.
6. Play the pitch produced by pressing the **6th string at the 5th fret**, and tune the pitch at the 5th fret of the 6th string to the pitch produced by the **open 5th string**.



Changing Strings

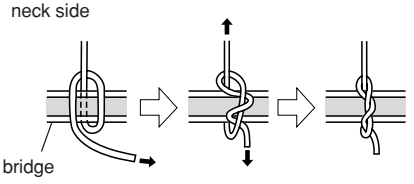
As the strings get old, sound quality will gradually decrease, and it will become difficult to tune the instrument. Change the strings as soon as you think they are getting old.

Make sure you purchase a set of nylon guitar strings. The Silent Guitar uses a string length of 650mm (25-9/16 inch).

- **The end of the strings are sharp and can cut fingers. Use caution when changing strings.**
- **When changing or adjusting strings, do not put your face close to the instrument. The string may suddenly break resulting in eye or other unexpected injuries.**

1. Thread the string through the corresponding string hole on the bridge, then tie the string as shown in the illustration below.

After tying the knot, pull both ends of the string to make the knot firm on the bridge.



Make sure the last knot is positioned over the edge of the bridge.

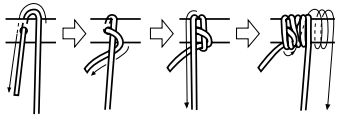
* If the string slips (1st, 2nd, 3rd strings) tie one more knot.

2. Next, tie the strings to the pegs.

Hold the guitar so the head is facing you and wind the strings onto the pegs as shown in the illustration below.

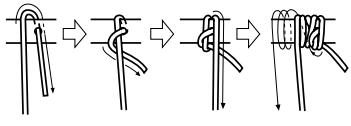
- **Winding the 1st, 2nd and 3rd strings** Ⓐ

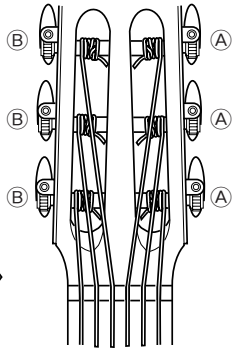
  Make the first wind to the left of the hole, and the remaining winds to the right.



- **Winding the 4th, 5th and 6th strings** Ⓑ

  Make the first wind to the right of the hole, and the remaining winds to the left.





3. After all six strings are strung, go on to the **"Tuning"** (page 8) procedure and tune the guitar properly.

Power Supply

The Silent Guitar operates either on battery power or with an AC adaptor however, it will consume more power when the reverb function is in use. For that reason, we recommend that it be powered with the supplied AC power adaptor for normal use. Always turn the PHONES ON/OFF switch OFF before making AC power connections or replacing the battery.

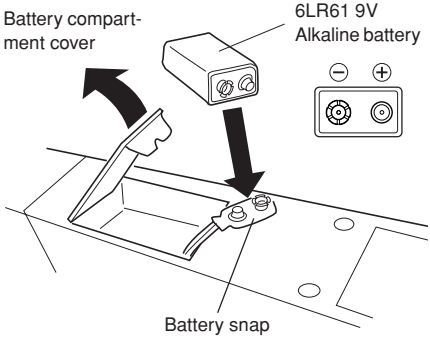
■ Supplying AC Power

1. Plug the adaptor's DC output cable into the Silent Guitar's DC IN jack, making sure the plug is firmly inserted into the jack.
2. Plug the AC adaptor into a convenient wall AC power socket.

- **Battery power is automatically disconnected when the AC adaptor is connected.**
- **When the AC adaptor is used, the batteries may leak. To prevent leakage we recommend that you remove the batteries from the instrument. When the AC adapter is used.**
- **When using an AC adaptor, make sure you use only one of the following recommended adaptors (Recommended Adaptors: PA-D09, PA-1E, PA-3C). The use of any other adaptor may result in damage to the instrument or cause fire, etc. Please use with caution.**

■ Installing the Battery

1. Be sure to use a 9-volt alkaline battery 6LR61. (not supplied)
   - **When using a battery, please use an alkaline battery. Use of a manganese battery will result in an extremely shorter battery life depending upon the type of battery used.**
2. Remove the battery compartment cover, located on the back side of the Silent Guitar, by sliding the tab labeled "OPEN" toward the head of the guitar.
3. Attach the 9-volt battery 6LR61 to the battery snap, and place it in the battery case.
   Take careful note of the polarity markings (+/-) as shown in the illustration when connecting the battery. (Reversed polarity may damage the circuit.)
4. Close the battery compartment cover.



* For customers in Netherlands

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

When battery power becomes low, the reverb will no longer operate, the lamp will not light and noise will be present. Replace the battery with a new alkaline battery as soon as possible.

- **Always follow the +/– signs when inserting the battery. Improper insertion may result in fire.**
- **To prevent possible damage to the unit due to battery leakage and unnecessary power drain, remove the battery from the unit when it is not going to be used for an extended period of time.**

Using the Controls

■ Using the LINE OUT jack (Using with a guitar amplifier or powered speaker, etc.)

1. Use a standard phone plug cable to connect the Silent Guitar's LINE OUT jack to the input jack on the guitar amplifier or powered speaker, etc.
When the cable's plug is inserted into the LINE OUT jack, power will be supplied to the Silent Guitar and the power lamp will light.

- **Before making any connections, make sure that the output volume on the guitar amplifier or powered speaker, etc., is turned down or its power is switched OFF.**
- **When the guitar is not being used, disconnect the cable's plug to save battery.**

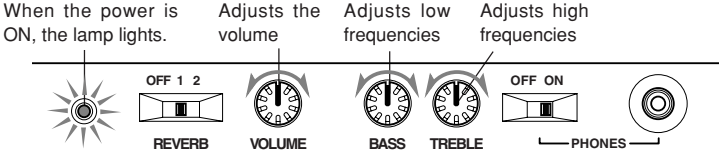
2. Rotate the VOLUME knob while playing, and adjust the volume to a suitable level.

- **If the sound is distorted when playing vigorously, turn the VOLUME knob slightly to the left.**

3. Rotate the BASS and TREBLE control knobs to adjust the sound quality.
Rotate the BASS knob to the right to increase the low frequencies, and to the left to decrease the low frequencies.
Rotate the TREBLE knob to the right to increase the high frequencies, and to the left to decrease the high frequencies.

4. The REVERB function can be used for adding reverb to the guitar's tone to produce the live acoustic characteristics experienced in a room or hall.
Set the REVERB switch to its "1" position to add the type of reverb usually experienced in a room, or set the switch to its "2" position to add the type of reverb normally experienced in a hall.

- **When compared to the REVERB switch's REVERB 1 or REVERB 2 positions, the instrument consumes less power when the REVERB switch is in its OFF position.**
- **Some noise is produced when the position of the REVERB switch is changed.**



■ Using the stereo earphones (or stereo output to an external device)

When using the instrument with the supplied stereo earphones or a separately purchased pair of headphones, or when you want to send the instrument's stereo output to an external device, use the headphones (PHONES) jack for connecting the earphones or external device.

1. Set the headphones ON/OFF switch, located on the right side of the control panel, to its "ON" position to supply power to the Silent Guitar. The power lamp will light.

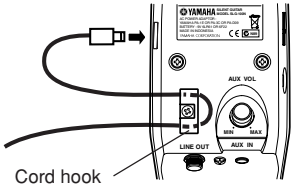
2. Insert the earphone plug into the headphone jack. When connecting the instrument to an external device, connect the external device to the PHONES jack using a cable with a stereo plug.

3. The remaining procedures are the same as described above in the "Using the LINE OUT jack" section's steps 2 through 4.

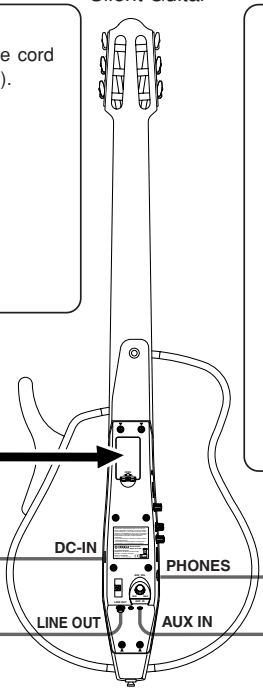
- **When using a pair of headphones, do not operate at high volume levels for long periods of time. Doing so can lead to irreparable damage to your hearing.**
- **Do not disconnect or connect the plug when the headphones are placed over your ears.**

Connecting External Devices

• Using the cord hook
Wrap the power adaptor's cord around the cord hook (prevents cord from being unplugged).

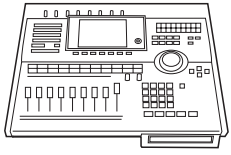


Silent Guitar



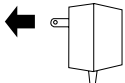
Stereo earphones

MD recorder, Mixer, etc.
(Stereo output)



Power adaptor

Electric outlet



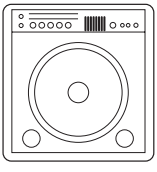
or

6LR61 Alkaline battery

To the LINE IN jack, etc.

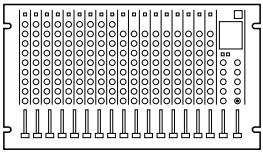
From the LINE OUT jack, etc.

Guitar amplifier, Powered speaker

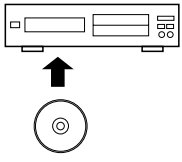


Electronic tuner

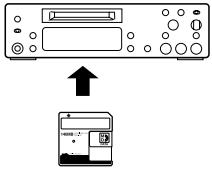
P.A. mixer, Recording device
(Monaural output)



CD player



MD player



Cassette player

Electronic metronome

When connecting the instrument to external audio equipment, check the jack size and make sure to use a plug size that corresponds to the jack being used, and properly connect the cable to the jack.

■ AUX IN jack

- The AUX IN jack can be used to connect an external stereo signal source to the Silent Guitar. Connecting the audio output of a CD player, cassette player, etc. to the instrument allows you to play along with the external audio source.
- The AUX IN jack's signal level can be controlled with the AUX IN level control.

■ Output Jacks (LINE OUT Jack/Headphone Jack)

- The LINE OUT jack can be connected to an external input jack on a device such as a guitar amplifier, powered speaker, mixing console, etc., using a separately purchased standard stereo (monaural) phone cable. This allows monitoring or recording of the Silent Guitar's sound via an external device. Connecting the LINE OUT jack to the INPUT jack on an electronic tuner, allows tuning of the instrument in the same manner as other electronic instruments.
- When using the supplied stereo earphones, insert the earphone plug into the headphones jack (PHONES) and turn the headphone ON/OFF switch to its "ON" position.
- The LINE OUT jack is a monaural type jack while the headphones jack is stereo.

• Before connecting the Silent Guitar to any external devices, make sure that the power of all related devices is turned OFF. Set the volume level of any external audio sources to the minimum level before connecting anything. High volume settings could cause damage to the equipment and your hearing.

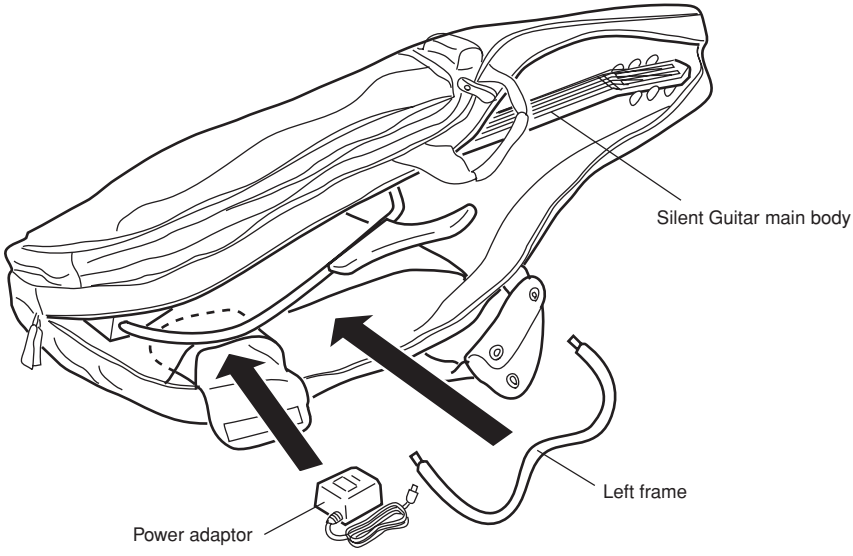
• Be careful not to step on the cord. The cord may break, equipment may be damaged, and this may cause a substantial shock to your ears.

• The signal from the Silent Guitar's output jacks must NEVER be returned to the AUX IN jack, either directly or through external equipment. Doing so will result in feedback which may cause damage to the internal electronics.

Using the Soft Case

When putting the Silent Guitar into the supplied soft case, remove the left frame from the Silent Guitar, and then place in the individual parts in the case as shown in the illustration below.

- **Put the left frame into the case's larger pocket.**
- **Put the power adaptor into the smaller pocket in the case and secure the cover using the Velcro® tape.**
- **When laying the case down with the instrument packed inside, make sure that the case is placed with the guitar's bridge side facing up.**



Placing the instrument in the soft case does not guarantee against any damages to individual parts.

The soft case is designed for storing and transporting the instrument, and protecting it from dust, etc. Do not position the instrument with its bridge side facing down in the case, and do not cause any damage to the instrument by placing any objects on top of the case, hitting it, etc.

Specifications

Neck	Mahogany
Body	Maple
Fingerboard	Rosewood (SLG-120NW : Ebony)
Bridge	Rosewood
Frame Unit	Maple (SLG-120NW : Rosewood/Maple)
Strings	Nylon Guitar Strings
Sensors	B-BAND
Connectors/Controls	• AUX IN • AUX IN Level Control • LINE OUT jack (monaural) • PHONES jack (stereo) • Volume • BASS control • TREBLE control • REVERB switch (OFF/1/2) • PHONES switch (ON/OFF) • LINE OUT Jack with POWER Switch (Inserting a plug into the jack switches the power on)
Power Supply	AC Adaptor/6LR61 battery x1 dual power source * Recommended AC Adaptors: PA-D09, PA-1E, PA-3C
Battery Life	Continuous Use • Using Alkaline battery : approximately 24 hours • Using Manganese battery : approximately 13.5 hours With the reverb activated • Using Alkaline battery : approximately 7.5 hours • Using Manganese battery : approximately 2.0 – 0.5 hours (depending upon the manufacturer)
String Length	650 mm (25-9/16")
Dimensions (with the left frame attached and to the end of the strap pin)	965 (L) x 365 (W) x 80 (H) mm 38" (L) x 14-3/8" (W) x 3-1/8" (H)
Weight	approximately 1.8 kg (3 lbs. 15 oz.)

* Design and specifications are subject to change without notice.

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